

LAMINATION STEELS **THIRD** EDITION

Errata in the First Printing

May 1, 2009

The following factual errors should be noted in the First Printing of Lamination Steels Third Edition pdf document; they have been corrected in the Second Printing:

- Amorphous Alloys, Notes on the Magnetic Properties Pages, About the Charts and Tables, 2nd paragraph, 3rd line, the sentence should read: Data vales for 60 Hz magnetization ...
- Cold-Rolled Motor Lamination Steels, Mittal Steel USA, 2.50/2000ULC Annealed Unannealed Comparison, Core Loss Curves, Notes, Line 3, sentence should read: unannealed values are from tests performed on material .0275 inch thick.
- Cobalt-iron Alloys, Carpenter Technology, Hiperco 27, Magnetic Properties pages, the S.I. thickness of .40 mm should read .41 mm.
- References to ampere-turns per meter on the following pages should read amperes per meter:
 - AK Steel, .0185 inch Di-Max M-45, Magnetization chart axis label
 - AK Steel, .025 inch Di-Max M-47 Semi-processed/Annealed, Magnetization data table label
 - ArcelorMittal, M330-65A, Magnetization chart axis label
 - ArcelorMittal, M350-50A, Magnetization chart axis label
 - ArcelorMittal, M350-65A, Magnetization chart axis label
 - ArcelorMittal, M400-50A, Magnetization chart axis label
 - ArcelorMittal, M400-65A, Magnetization chart axis label
 - Arnold Magnetic Technologies, Thin Gauge Silicon Steels, About the Charts and Data Tables
 - Carpenter Technology, Cobalt-iron Alloys, About the Charts and Data Tables
 - Imphy Alloys, Cobalt-iron Alloys, AK 502 R .35 mm, Magnetization data table notes
 - Imphy Alloys, Cobalt-iron Alloys, About the Charts and Data Tables
 - Mittal Steel USA, CRML, About the Charts and Data Tables
 - Mittal Steel USA, .0185 Grade 2.25/2000, Magnetization data table notes
 - United States Steel, CRML, About the Charts and Data Tables
 - Vacuumschmelze, Cobalt-iron Alloys, Vacoflux 48 .35 mm, Magnetization data table notes
 - Vacuumschmelze, Cobalt-iron Alloys, About the Charts and Data Tables
 - Vacuumschmelze, Nickel-iron Alloys, About the Charts and Data Tables
- Material Comparisons, Lamination Steels – Types and Characteristics, Page 8
 - C-5 Coating. This sentence is incorrect: It is more abrasive than C-4 and thus will impact die life to a greater degree. The sentence should read: It is less abrasive than C-4 and thus will impact die life to a lesser degree.
- Standards and Specifications, Comparable Standards, Standards Organizations, the web site address for BSI is www.bsi-global.com.

For additional information about EMERF and the Lamination Steels Research Project, please contact:




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Errata in the First Printing, continued

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- Material Comparisons, A Graphical Summary of the Lamination Alloys in Lamination Steels Third Edition, Introduction, Core Loss Summary and Core Loss–Separations, there are 849 core loss curves.
- Material Comparisons, A Graphical Summary of the Lamination Alloys in Lamination Steels Third Edition, Magnetization–Separations, the curve shown for Amorphous Alloys is at 60 Hz, not DC.
- Material Comparisons, A Graphical Summary of the Lamination Alloys in Lamination Steels Third Edition, Magnetization–Separations, Cold-Rolled Motor Lamination Steels, the minimum thickness shown is .0138 inch (.35 mm).
- Material Comparisons, A Graphical Summary of the Lamination Alloys in Lamination Steels Third Edition, Core Loss Separations, Cold-Rolled Motor Lamination Steels, the minimum thickness shown is .0138 inch (.35 mm).
- Navigating the *Lamination Steels Third Edition* CD-ROM, Printing from Acrobat; the paragraph on printing a section of a page should read:

To print a portion of a page, zoom into the desired view using one of the zoom methods discussed above. Select File ▶ Print, or click the Print button . In the Print dialogue box, make sure the Current View radio button in the Print Range group is activated. To print the selected area at its native size, select Shrink to Printable Area in the Page Scaling drop down box; to print an enlarged view of the selection; select Fit to Printable Area in the Page Scaling drop down box. Then proceed with printing.

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